

Bo Wen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

9,126
citations

126907

33
h-index

189892

50
g-index

51
all docs

51
docs citations

51
times ranked

5483
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of temperature and frequency on the dielectric properties, electromagnetic interference shielding and microwave-absorption of short carbon fiber/silica composites. <i>Carbon</i> , 2010, 48, 788-796.	10.3	1,582
2	Reduced Graphene Oxides: Light-weight and High-efficiency Electromagnetic Interference Shielding at Elevated Temperatures. <i>Advanced Materials</i> , 2014, 26, 3484-3489.	21.0	1,375
3	Temperature dependent microwave attenuation behavior for carbon-nanotube/silica composites. <i>Carbon</i> , 2013, 65, 124-139.	10.3	1,009
4	Ferroferric Oxide/Multiwalled Carbon Nanotube vs Polyaniline/Ferroferric Oxide/Multiwalled Carbon Nanotube Multiheterostructures for Highly Effective Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6949-6956.	8.0	823
5	Thermally Driven Transport and Relaxation Switching Self-powered Electromagnetic Energy Conversion. <i>Small</i> , 2018, 14, e1800987.	10.0	733
6	Graphene/polyaniline nanorod arrays: synthesis and excellent electromagnetic absorption properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 21679.	6.7	455
7	Reduced graphene oxides: the thinnest and most lightweight materials with highly efficient microwave attenuation performances of the carbon world. <i>Nanoscale</i> , 2014, 6, 5754-5761.	5.6	347
8	Enhanced wave absorption of nanocomposites based on the synthesized complex symmetrical CuS nanostructure and poly(vinylidene fluoride). <i>Journal of Materials Chemistry A</i> , 2013, 1, 4685.	10.3	264
9	Graphene-Fe ₃ O ₄ nanohybrids: Synthesis and excellent electromagnetic absorption properties. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	203
10	Facile and green approach to the synthesis of zeolitic imidazolate framework nanosheet-derived 2D Co/C composites for a lightweight and highly efficient microwave absorber. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 30-38.	9.4	167
11	Genetic Dielectric Genes Inside 2D Carbon-based Materials with Tunable Electromagnetic Function at Elevated Temperature. <i>Small Structures</i> , 2021, 2, 2100104.	12.0	157
12	Thermally-tailoring dielectric genes in graphene-based heterostructure to manipulate electromagnetic response. <i>Carbon</i> , 2021, 184, 136-145.	10.3	139
13	Hierarchical nest-like structure of Co/Fe MOF derived CoFe@C composite as wide-bandwidth microwave absorber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 135, 105958.	7.6	137
14	Synthesis of core-shell Co@S-doped carbon mesoporous N-doped carbon nanosheets with a hierarchically porous structure for strong electromagnetic wave absorption. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3567-3575.	10.3	131
15	Synthesis of zinc oxide particles coated multiwalled carbon nanotubes: Dielectric properties, electromagnetic interference shielding and microwave absorption. <i>Materials Research Bulletin</i> , 2012, 47, 1747-1754.	5.2	122
16	In situ-derived carbon nanotube-decorated nitrogen-doped carbon-coated nickel hybrids from MOF/melamine for efficient electromagnetic wave absorption. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 783-793.	9.4	104
17	Synthesis, Characterization, and Electromagnetic Wave Absorption Properties of Composites of Reduced Graphene Oxide with Porous LiFe ₅ O ₈ Microspheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10011-10020.	6.7	97
18	Construction of multiple interfaces and dielectric/magnetic heterostructures in electromagnetic wave absorbers with enhanced absorption performance: A review. <i>Journal of Materiomics</i> , 2021, 7, 1233-1263.	5.7	94

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19	Novel bimetallic MOF derived hierarchical Co@C composites modified with carbon nanotubes and its excellent electromagnetic wave absorption properties. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 657-666.	9.4	86
20	Two-Dimensional Black Phosphorus Nanomaterials: Emerging Advances in Electrochemical Energy Storage Science. <i>Nano-Micro Letters</i> , 2020, 12, 179.	27.0	82
21	Preparation and microwave absorption properties of basalt fiber/nickel core-shell heterostructures. <i>Journal of Alloys and Compounds</i> , 2010, 495, 254-259.	5.5	80
22	Efficient and Layer-Dependent Exciton Pumping across Atomically Thin Organic-Inorganic Type-II Heterostructures. <i>Advanced Materials</i> , 2018, 30, e1803986.	21.0	79
23	Controllable Fabrication of CuS Hierarchical Nanostructures and Their Optical, Photocatalytic, and Wave Absorption Properties. <i>ChemPlusChem</i> , 2013, 78, 250-258.	2.8	77
24	Fabrication of Reduced Graphene Oxide (RGO)/Co ₃ O ₄ Nanohybrid Particles and a RGO/Co ₃ O ₄ /Poly(vinylidene fluoride) Composite with Enhanced Wave Absorption Properties. <i>ChemPlusChem</i> , 2014, 79, 375-381.	2.8	76
25	Facile synthesis of nickel/carbon nanotubes hybrid derived from metal organic framework as a lightweight, strong and efficient microwave absorber. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 561-570.	9.4	68
26	Ferroelectric-Driven Exciton and Trion Modulation in Monolayer Molybdenum and Tungsten Diselenides. <i>ACS Nano</i> , 2019, 13, 5335-5343.	14.6	61
27	Controlling the heterogeneous interfaces of S, Co co-doped porous carbon nanosheets for enhancing the electromagnetic wave absorption. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 208-218.	9.4	60
28	Production of Ni-Doped SiC Nanopowders and their Dielectric Properties. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1523-1527.	3.8	54
29	Synthesis and growth mechanism of 3D MnO ₂ clusters and their application in polymer composites with enhanced microwave absorption properties. <i>RSC Advances</i> , 2013, 3, 18009.	3.6	49
30	MOFs derived Co@C/MnO nanorods with enhanced interfacial polarization for boosting the electromagnetic wave absorption. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 242-250.	9.4	46
31	Deep Learning-Enabled MXene-Based Artificial Throat: Toward Sound Detection and Speech Recognition. <i>Advanced Materials Technologies</i> , 2020, 5, 2000262.	5.8	45
32	Constructing a nitrogen-doped carbon and nickel composite derived from a mixed ligand nickel-based metal-organic framework toward adjustable microwave absorption. <i>Nanoscale</i> , 2021, 13, 9204-9216.	5.6	42
33	Electronic and Optical Properties of Two-Dimensional Tellurene: From First-Principles Calculations. <i>Nanomaterials</i> , 2019, 9, 1075.	4.1	40
34	Modulated interlayer charge transfer dynamics in a monolayer TMD/metal junction. <i>Nanoscale</i> , 2019, 11, 418-425.	5.6	33
35	Hierarchical Co _x Al _y layered double hydroxide@carbon composites derived from metal-organic frameworks with efficient broadband electromagnetic wave absorption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16418-16426.	5.5	32
36	Fabrication, microstructure and microwave absorption of multi-walled carbon nanotube decorated with CdS nanocrystal. <i>Materials Letters</i> , 2014, 125, 107-110.	2.6	30

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37	Defect Engineering in Few-Layer Phosphorene. <i>Small</i> , 2018, 14, e1704556.	10.0	27
38	Microwave Absorption Properties of Ni-Doped SiC Powders in the 18 GHz Frequency Range. <i>Chinese Physics Letters</i> , 2011, 28, 037701.	3.3	20
39	Microwave Absorbing Materials: Solutions for Real Functions under Ideal Conditions of Microwave Absorption. <i>Chinese Physics Letters</i> , 2010, 27, 027702.	3.3	15
40	Carbon materials with quasi-graphene layers: The dielectric, percolation properties and the electronic transport mechanism. <i>Chinese Physics B</i> , 2013, 22, 037701.	1.4	15
41	Synthesis and characterization of single-crystalline (K,Na)NbO ₃ nanorods. <i>Ceramics International</i> , 2013, 39, 5931-5935.	4.8	12
42	Monolayer InSe photodetector with strong anisotropy and surface-bound excitons. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6075-6083.	2.8	11
43	Exploring the physical origin of the electrocatalytic performance of an amorphous alloy catalyst via machine learning accelerated DFT study. <i>Nanoscale</i> , 2022, 14, 2660-2667.	5.6	8
44	High-Temperature Permittivity and Data-Mining of Silicon Dioxide at GHz Band. <i>Chinese Physics Letters</i> , 2012, 29, 027701.	3.3	6
45	MWCNTs/SiO ₂ Composite System: Carrier Transmission, Twin-Percolation and Dielectric Properties. <i>Chinese Physics Letters</i> , 2011, 28, 107701.	3.3	5
46	Construction of a three-dimensional rGO/CoFe ₂ O ₄ nanorods composite with enhanced microwave absorption performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 18590-18604.	2.2	4
47	Preparation of hollow carbon rods by using ZnO as template for high-performance supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8491-8502.	2.2	4
48	Multiple nonlinear dielectric resonance of ultra-long silver trimolybdate nanowires. <i>Journal of Solid State Chemistry</i> , 2013, 202, 320-323.	2.9	3
49	Direct observation of contact resistivity for monolayer TMD based junctions via PL spectroscopy. <i>Nanoscale</i> , 2022, 14, 8260-8270.	5.6	2
50	Bias-modulated van der Waals heterojunction photodetector of graphene nanosheets embedded carbon film/n-Si. <i>Thin Solid Films</i> , 2021, 734, 138834.	1.8	0